

U.S. DEPARTMENT OF HOMELAND SECURITY U.S. COAST GUARD CG-33 Rev. (02-08)	BULK DRY CARGO RESIDUE REPORTING FORM							OMB Number 1625-0072 Expires:			
								OFFICIAL/IMO NO.			
MASTER'S CERTIFICATION:								VESSEL NAME:			
For Cargo Loading & Unloading Operations								For Residue Sweeping Operations Only			
Date	Cargo Involved <sup>1</sup>	Operation (check one)		Facility Name	Control Measures Used <sup>2</sup> (see list of codes)		Time Spent to Implement Control Measure (hrs)	Estimated Residue to be Swept into Water (m <sup>3</sup> )	Sweeping Start	Sweeping Stop	Vessel Speed (kts)
		Load	Unload						Date/Time(D/T) Ship's Position (Lat/Long)	Date/Time(D/T) Ship's Position (Lat/Long)	
					Facility	Vessel					
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	
									D/T:	D/T:	
									Lat:	Lat:	
									Long:	Long:	

Remarks:

Please see footnotes on next page

**NOTES:**

<sup>1</sup> **Cargo Involved:** Provide the common name of the cargo (e.g., coal, taconite, sand, limestone, grain, salt, etc.)

When multiple cargo types are discharged, please create a separate entry for each type

<sup>2</sup> **Control Measures:** Enter the code(s) below for each dry cargo residue control measure(s) used during cargo handling operations, Return to Form  
for both cargo facilities (if known), and for your vessel.

Cargo Involved	Facility Control Measures		Vessel Control Measures	
	<u>Code</u>	<u>Measure</u>	<u>Code</u>	<u>Measure</u>
iron ore	A	Enclosed conveyor	1	Enclosed conveyor
taconite	B	Troughed conveyor	2	Troughed conveyor
scale	C	Conveyor skirts	3	Conveyor skirts
coal/coke	D	Belt Scrapers	4	Belt Scrapers
grain	E	Water/mist for dust control	5	Water/mist for dust control
seed	F	Conveyor capacity indicators	6	Conveyor capacity indicators
wood pulp	G	Deck remote controls of conveyors	7	Deck remote controls of conveyors
potash	H	Stop conveyor while ship or belt is repositioned	8	Stop conveyor while ship or belt is repositioned
fertilizer	I	Delay loading/unloading during high wind	9	Delay loading/unloading during high wind
limestone	J	Radio Communication between deck and loader	10	Radio Communication between deck and loader
sand/gravel	K	Crew training on procedures to reduce residue	11	Crew training on procedures to reduce residue
dolomite	L	Limit vertical angle of conveyor boom	12	Limit vertical angle of conveyor boom
clay	M	Plow feeder	13	Broom & shovel (to return to hold or shore)
aggregates	N	Loading chute, incl. Telescoping or conveyors	14	Tarps to collect residue(to return to hold or shore)
salt	O	Chemical surfactants	15	Cargo hold vibrator
gypsum	P	Suction pumped cargo, slurry transport, pneumatic or screw conveyors	16	Watertight gate seal
cement	Q	Other (describe measure on "Remarks" line on front of form)	17	Cargo hold lining (teflon or kevlar)
Other			18	Minimize hatch removal during poor weather
			19	Careful cargo hold gate operation
			20	Other (describe measure on "Remarks" line on front of form)

Equivalence Table for estimating residue			
Cargo	Density (lbs/ft <sup>3</sup> )	Equivalent Volume for 350 lbs of DCR	Volume in m <sup>3</sup>
Coal	50	7 ft <sup>3</sup>	0.2
Limestone	150	2.3 ft <sup>3</sup>	0.07
Taconite	222	1.6ft <sup>3</sup>	0.05

**Note:** One 5 gallon bucket  
is equivalent to 0.019m<sup>3</sup>